Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/20/2018 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125068	0	1.38	124913	1.29
Blue	F	SSC	125000	123078	-2	3.68	123325	3.39
Blue	E	FITC	23615	22747	-4	2.52	1017	10.62
Blue	D	PE	26739	26436	-2	2.08	949	10.32
Blue	B	PerCP-Cy5-5	48339	47028	-3	3.58	1356	18.13
Blue	A	PE-Cy7	45021	44527	-2	5.38	690	36.78
Red	C	APC	53064	52171	-2	2.73	2981	9.62
Red	A	APC-Cy7	57175	55823	-3	2.69	1177	11.08
Violet	B	V450	14728	13975	-6	5.45	664	9.87
Violet	A	V500	58621	56158	-5	5.27	2483	7.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19103	2.18	613	-1	N/A	N/A	Pass
Blue	F	SSC	60842	1.47	559	13	N/A	N/A	Pass
Blue	E	FITC	111	39.30	548	0	0.0189	82	Pass
Blue	D	PE	206	31.98	541	5	0.1541	317	Pass
Blue	B	PerCP-Cy5-5	210	47.52	638	3	0.0086	58	Pass
Blue	A	PE-Cy7	74	124.00	696	3	0.0110	14	Pass
Red	C	APC	341	28.02	599	2	0.0195	31	Pass
Red	A	APC-Cy7	127	40.81	580	0	0.0056	1801	Pass
Violet	B	V450	82	45.89	465	-5	0.0512	2871	Pass
Violet	A	V500	180	24.17	492	-5	0.0136	541	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.10	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.93	14.40 - 21.60	N/A	N/A	30.72	31.15	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10020

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments